

Please type a plus sign (+) inside this box ☐

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB0651-0031
Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/001,855
Filing Date	Nov. 19, 2001
First Named Inventor	HEINONEN
Group Art Unit	2881
Examiner Name	
Attorney Docket Number	0143US-Locus

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers, publisher, city and/or country where published.	T2
ARL	AA	Tracking Mobile Phones in Urban Areas, Christer Åkerbom, Thesis work presented in Chalmers University and Göteborg University, in Göteborg, Sweden, September 2000	
	AB	Applying pattern recognition techniques based on hidden Markov models for vehicular position location in cellular networks, Stefan Mangold and Sofoklis Kyriazakos, Paper presented in the 50th IEEE Vehicular Technology Conference on September 2nd, 1999, in Amsterdam, the Netherlands.	
	AC	Radar: an in-building RF-Based User Location and Tracking System, Paramvir Bahl and Venkata N. Padmanabhan, Microsoft Research, Microsoft Inc. Redmond WA. March 2000.	
	AD	Overview of 2G LCS Technologies and Standards, Motorola Inc., marked as LCS-010019, provided in a 3GPP TSG SA2 LCS Workshop in London, UK 11-12 January 2001	
	AE	Location Tracking of Mobiles in Cellular Radio Networks, Martin Hellebrandt and Rudolf Mathar, IEEE Transactions on vehicular technology, Vol. 48 No. 5, September 1999	
	AF	Database Correlation for GSM Location: Heikki Laitinen, Jaako Lähteenmaki, Tero Nordström, a paper presented at the IEEE Vehicular Technology Conference 2001, 6-9 May, 2001, Rhodes Island, Greece	
	AG	Cellular Network Optimisation Based on Mobile Location (CELLO), Jaakko Lähteenmaki, VTT Information Systems, VTT, Helsinki, Finland, January 2001	
<div>RECEIVED APR 16 2002 Technology Center 2600</div>			

Examiner
Signature

Melur Ramakrishnan

Date
Considered

2-17-06

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Unique citation designation number. ‡ Applicant is to place a check mark here if English language Translation is attached.

Burden our Statement This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/001,855
Filing Date	November 19, 2001
First Named Inventor	Hinen
Group Art Unit	
Examiner Name	
Attorney Docket Number	0144US-Locus

Sheet of **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.*	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages Columns Lines Where relevant passages or relevant figures appear
		Number	Kind Code (if known)			
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					

RECEIVED

SEP 13 2002

Technology Center 2600

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages Columns Lines Where Relevant Passages or Relevant Figures Appear	T6
		Office ³	Number	Kind Code (if known)				
NRH	BA	GB	2352134	A	Mockford	Jan. 17, 2001		
NRH	BB	GB	2333664	A	Thompson	Jun. 28, 1999		
	BC							
	BD							
	BE							
	BF							

NON PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers, publisher, city and/or country where published.	T6
	CA		
	CB		
	CC		
	CD		

Examiner
Signature

Medur Ramakrishna

Date
Considered

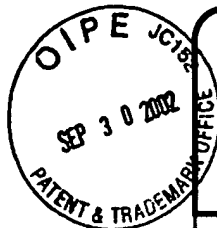
2-16-06

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Please type a plus sign (+) inside this box ☐



Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/001,855
		Filing Date	N vember 19,2001
		First Named Inventor	Hein nen
		Group Art Unit	
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	0144US-Locus	

U.S. PATENT DOCUMENTS													
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages Columns Lines Where relevant passages or relevant figures appear							
		Number	Kind Code (If Known)										
NRL		6,249,252		Dupray	June 19,2001								
<div style="text-align: right;">RECEIVED OCT 04 2002 Technology Center 2600</div>													

FOREIGN PATENT DOCUMENTS																	
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages Columns Lines Where Relevant Passages or Relevant Figures Appear	T6									
		Office3	Number	Kind Code (If Known)													
NRL		wo	98/01768		Drane	Jan. 15, 1998											
NRL		GB	2 329 801	A	Kubo	March 31,1999											

NON PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers, publisher, city and/or country where published.	T6				

Examiner Signature	Mehar Ramakrishna	Date Considered	2-16-06
-----------------------	-------------------	--------------------	---------

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.